

FAN SYSTEMS (MINE VENTILATION)

A. Original Equipment Manufacturer (OEM)

The following OEMs offer noise controls for new fan systems.

Manufacturer	Treated Fan Vanes	Install Muffler Ducts	Resonant Silencer	Other Noise Controls
A. L. Lee Corp.		X	X	
Fairchild International	X		X	
Hartzell Fan, Inc.		X	X	
Dresser Industries		X		
Joy Technologies	X		X	
New York Blower Co.	X		X	
Peabody ABC Corp.	X			
Robinson Industries		X	x	
Simmons-Rand Co.	X		X	
Spendrup, Inc.	X		X	
Air Pollution Control Products	X			

"X" indicates product availability.

Muffler ducts for inlet and discharge end of fans are commercially available for some models. This type of absorptive silencer however, may be jeopardized when used in a moist, dusty environment.

A resonant silencer for mine fan systems can be used in a moist, dusty environment with compromising the acoustical attenuating properties. A resonant silencer is tuned to specifically reduce the annoying tone of a fan which is produced by the blade passing frequency. Local dealers may be contacted for availability and further details.

B. Retrofit Noise Controls

The effectiveness of noise controls depends on the quality of the acoustical materials and the installation.

Consider replacing a noisy fan with a more quiet model and/or using treated fan vanes, muffler ducts or resonant silencer.

C. Alternative Technology

None identified at this time.